

### **WHAT IS CLAIMED IS:**

1. An electrical tool, comprising a housing (9) having at least one inlet opening (7) and at least one outlet opening (8); a brushless electric motor (2) and an inverted rectifier (3) which are arranged in the housing (9) between the at least one inlet opening (7) and the at least one outlet opening (8) in an air stream (5) of an air volume (6); and a link condensator (10) located in the housing (9) in the air stream (5), the inverted rectifier (3) being arranged, in the air flow direction, downstream of the link condensator (10) and upstream of the electric motor (2).
2. An electrical tool according to Claim 1, further comprising a fan (4) arranged in the air stream (5) downstream, in the air flow direction, of the electric motor (2).
3. An electrical tool according to Claim 1, wherein the fan (4) is arranged in front of the at least one outlet opening (8).
4. An electrical tool according to Claim 1, wherein the at least one inlet opening (7) for the air volume (6) is arranged in a region of a tool handle (11).
5. An electrical tool according to Claim 4, wherein the at least one inlet opening (7) is arranged on an inner side of the tool handle (11).

6. An electrical tool according to Claim 1, further comprising transformation mechanics (12, 13) arranged in the air stream (5) between the inverted rectifier (3) and the electric motor (2).

7. An electrical tool according to Claim 1, further comprising means (7', 7'') for producing parallel air streams (5', 5'') for cooling other components of the tool.